



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ :

H03M 13/00

A1

(11) International Publication Number:

WO 00/30264

(43) International Publication Date:

25 May 2000 (25.05.00)

(21) International Application Number: PCT/SG99/00119

(22) International Filing Date: 12 November 1999 (12.11.99)

(30) Priority Data:

9804034-8

13 November 1998 (13.11.98)

SG

(71) Applicant (for all designated States except US): BITWAVE PRIVATE LIMITED [SG/SG]; 10 Science Park Road #03-20, The Alpha, Singapore Science Park II, Singapore 117684 (SG).

(72) Inventor; and

(75) Inventor/Applicant (for US only): HUI, Siew, Kok [SG/SG]; 64 Farrer Road #03-03, Spanish Village, Singapore 268848 (SG).

(74) Agent: GREENE-KELLY, James, Patrick; Lloyd Wise, Tanjong Pagar, P.O. Box 636, Singapore 910816 (SG).

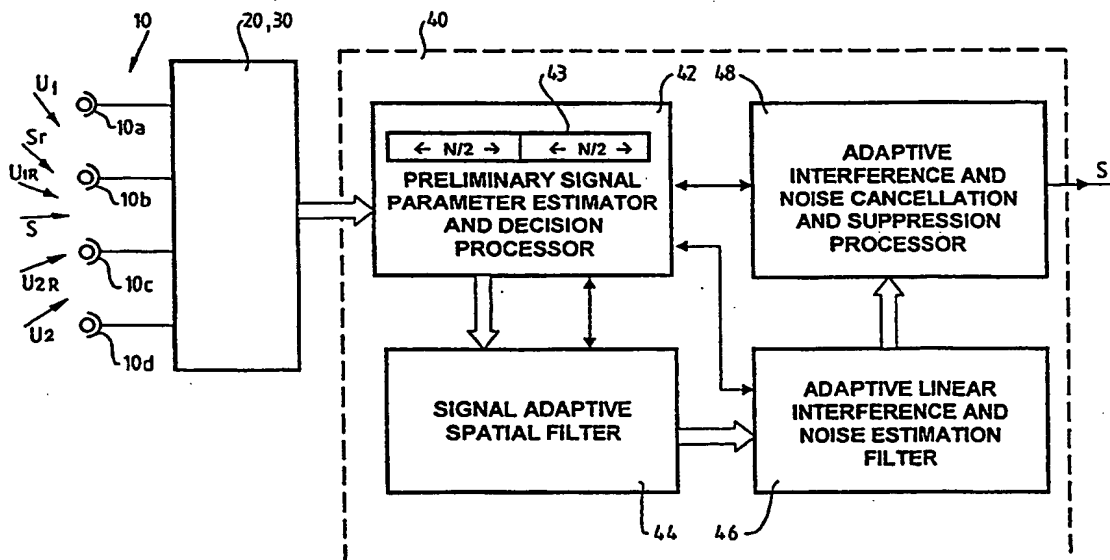
(81) Designated States: CN, JP, KR, SG, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published

With international search report.

Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

(54) Title: SIGNAL PROCESSING APPARATUS AND METHOD



(57) Abstract

A method of processing signals received from an array of sensors is disclosed comprising the steps of sampling and digitally converting the received signals and processing the digitally converted signals to provide an output signal, the processing including filtering the signals using a first adaptive filter arranged to enhance a target signal of the digitally converted signals and a second adaptive filter arranged to suppress an unwanted signal of the digitally converted signals and processing the filtered signals in the frequency domain to suppress the unwanted signal further.